

A METHOD AND SYSTEM FOR SUPPORTING INPUT/OUTPUT FOR A VIRTUAL  
MACHINE

ABSTRACT OF THE DISCLOSURE

- 5       A method for supporting input/output for a virtual machine. The method includes the step of executing virtual machine application instructions, wherein the application instructions are executed using micro architecture code of a processor architecture. An I/O access is received from the virtual machine application. Virtual memory protection is used to generate an exception, wherein the exception is caused by the I/O access. A single step mode is
- 10      entered to perform the I/O access using a host operating system. State data for the virtual machine application is updated in accordance with the I/O access. Subsequently, execution of the virtual machine application is resumed.